

Title (en)
TREHALOSE-CONTAINING MAMMALIAN CELL SUSPENSION FOR PREVENTION OF PULMONARY EMBOLISM FORMATION

Title (de)
TREHALOSEHALTIGE SÄUGERZELLENSUSPENSION ZUR PRÄVENTION DER BILDUNG VON LUNGENEMBOLIEN

Title (fr)
SUSPENSION DE CELLULES DE MAMMIFÈRE CONTENANT DU TRÉHALOSE DESTINÉE À LA PRÉVENTION DE LA FORMATION D'UNE EMBOLIE PULMONAIRE

Publication
EP 2848683 B1 20161221 (EN)

Application
EP 13788054 A 20130502

Priority

- JP 2012106866 A 20120508
- JP 2013002925 W 20130502

Abstract (en)
 [origin: EP2848683A1] An object of the present invention is to provide a mammalian cell suspension capable of preventing pulmonary embolism formation during administration of mammalian cells, such as mammalian stem cells, through a blood vessel, and a preventive agent against pulmonary embolism formation during administration of mammalian cells through a blood vessel. The present invention is characterized by suspending mammalian cells, such as mammalian stem cells, in a physiological aqueous solution containing trehalose or its derivative, or a salt thereof as an active ingredient to prepare a mammalian cell suspension for preventing pulmonary embolism formation during administration of the mammalian cells through a blood vessel, comprising the mammalian cells and trehalose or its derivative, or a salt thereof as active ingredients. Examples of the mammalian cells can include pancreatic islet cells, dendritic cells, natural killer cells, alpha/beta T cells, gamma/delta T cells, and cytotoxic T lymphocytes in addition to mammalian stem cells. Preferred mammalian stem cells can include mammalian mesenchymal stem cells and mammalian pluripotent stem cells.

IPC 8 full level
C12N 5/0775 (2010.01); **A61K 31/7016** (2006.01); **A61K 35/12** (2006.01); **A61K 35/28** (2006.01); **A61K 35/545** (2015.01); **A61P 9/00** (2006.01); **C12N 5/071** (2010.01)

CPC (source: EP US)
A61K 31/7016 (2013.01 - EP US); **A61K 35/28** (2013.01 - EP US); **A61K 35/545** (2013.01 - EP US); **A61P 9/00** (2017.12 - EP); **A61P 9/14** (2017.12 - EP)

C-Set (source: EP US)
 1. **A61K 31/7016 + A61K 2300/00**
 2. **A61K 35/28 + A61K 2300/00**

Cited by
 WO2018149426A1

Designated contracting state (EPC)
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
 BA ME

DOCDB simple family (publication)
EP 2848683 A1 20150318; EP 2848683 A4 20151021; EP 2848683 B1 20161221; AU 2013259255 A1 20141127; AU 2013259255 B2 20180405; CA 2872460 A1 20131114; CA 2872460 C 20180605; CN 104271735 A 20150107; CN 104271735 B 20170804; ES 2614881 T3 20170602; HK 1205756 A1 20151224; JP 2013233102 A 20131121; JP 5432322 B2 20140305; KR 20150013154 A 20150204; NZ 701665 A 20160930; SG 11201407194X A 20141230; TW 201402136 A 20140116; TW I577379 B 20170411; US 10265346 B2 20190423; US 2015118196 A1 20150430; WO 2013168403 A1 20131114

DOCDB simple family (application)
EP 13788054 A 20130502; AU 2013259255 A 20130502; CA 2872460 A 20130502; CN 201380023401 A 20130502; ES 13788054 T 20130502; HK 15106245 A 20150630; JP 2012106866 A 20120508; JP 2013002925 W 20130502; KR 20147030989 A 20130502; NZ 70166513 A 20130502; SG 11201407194X A 20130502; TW 102116059 A 20130506; US 201314398321 A 20130502